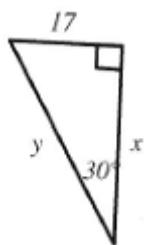


Name \_\_\_\_\_ Period \_\_\_\_\_

# Geometry Unit 7 Worksheet #3 – 30-60-90 Triangles

For #1 - 5, find the missing sides in the 30-60-90 triangle given the side opposite the 30° angle.

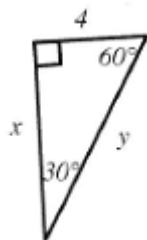
1.



x = \_\_\_\_\_

y = \_\_\_\_\_

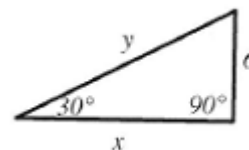
2.



x = \_\_\_\_\_

y = \_\_\_\_\_

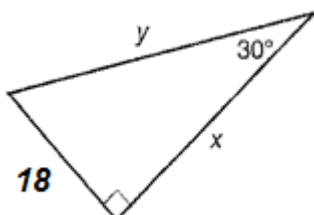
3.



x = \_\_\_\_\_

y = \_\_\_\_\_

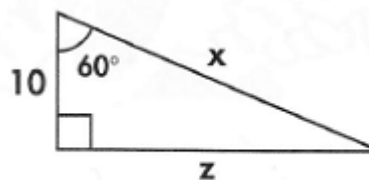
4.



x = \_\_\_\_\_

y = \_\_\_\_\_

5.

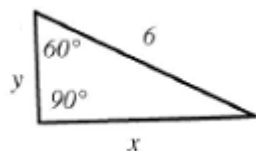


x = \_\_\_\_\_

z = \_\_\_\_\_

For #6 - 10, find the missing sides in the 30-60-90 triangle given the side opposite the 90° angle.

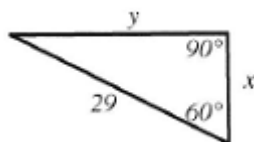
6.



x = \_\_\_\_\_

y = \_\_\_\_\_

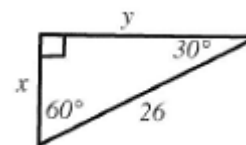
7.



x = \_\_\_\_\_

y = \_\_\_\_\_

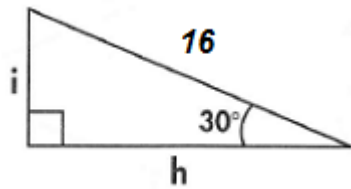
8.



x = \_\_\_\_\_

y = \_\_\_\_\_

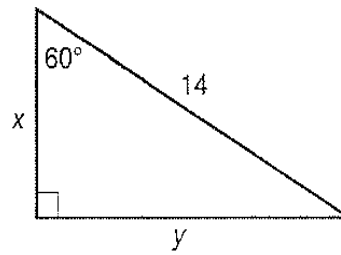
9.



$$i = \underline{\hspace{2cm}}$$

$$h = \underline{\hspace{2cm}}$$

10.

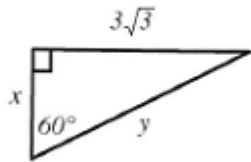


$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

For #11 - 15, find the missing sides in the 30-60-90 triangle given the side opposite the 60° angle.

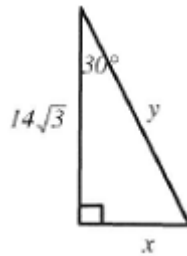
11.



$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

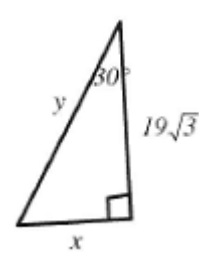
12.



$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

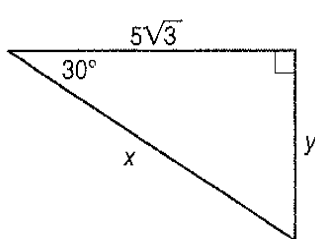
13.



$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

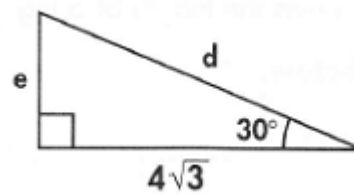
14.



$$x = \underline{\hspace{2cm}}$$

$$y = \underline{\hspace{2cm}}$$

15.



$$e = \underline{\hspace{2cm}}$$

$$d = \underline{\hspace{2cm}}$$